Location Date/Time Deaths & Property & Event Type and Details
Injuries Crop Dmg

IOWA, Southwest

FREMONT COUNTY --- 5.3 SSW PAYNE [40.60, -95.77], 5.7 W PERCIVAL [40.74, -95.91], 4.1 WNW BARTLETT [40.91, -95.85], 2.9 N BARTLETT [40.92, -95.77], 3.6 WNW HAMBURG [40.62, -95.72]

08/01/10 00:00 CST 3K Flood (due to Heavy Rain)

08/18/10 17:30 CST 0 Source: Official NWS Observations

This flooding carried over from June and July when heavy rain over much of eastern Nebraska and western lowa during those months caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The river near Nebraska City climbed above flood stage early in the afternoon on June 11th and remained above flood stage for most of July and into August. River levels were held up by additional rains and increased releases from upstream reservoirs. The river at Nebraska City crested around or a little over 25 feet during the afternoon of June 16th and June 21st. During July the river at Nebraska City peaked around 22 feet during the evening of July 1 and in August a crest of around 21.5 feet was seen on the 5th. Flood stage is 18 feet. In western lowa most of the flooding was confined to farmland along the river with most of the significant flooding occurring during June and July.

MILLS COUNTY --- 5.5 NW FOLSOM [41.16, -95.89], 8.4 SSW PACIFIC JCT [40.91, -95.86], 6.0 W TABOR [40.90, -95.78], 5.2 N FOLSOM [41.17, -95.84]

08/01/10 00:00 CST 3K Flood (due to Heavy Rain)

08/18/10 17:30 CST 0 Source: Official NWS Observations

This flooding carried over from June and July when heavy rain over much of eastern Nebraska and western lowa during those months caused a prolonged period of flooding along the Missouri River downstream of Omaha through Rulo. In Plattsmouth the Missouri River crested a little over 33 feet in the late afternoon of June 22nd, flood stage is 26 feet. During July the river crested close to 29.5 feet in the afternoon of July 1 and a crest of around 29 feet was observed during the first week of August. The river climbed above flood stage in the afternoon of June 11 and remained close to or above flood stage most of July into August. Several mobile home and camping communities along the river were flooded, including some trailers and mobile homes. Roads near the river were also flooded, although the more significant flooding was seen in June and July.

POTTAWATTAMIE COUNTY --- 5.8 WNW GRABLE [41.49, -96.03], 2.1 SSW GRABLE [41.44, -95.94], 1.3 W CARTER LAKE [41.30, -95.89], 4.2 SSW COUNCIL BLUFFS ARPT [41.21, -95.95], 2.3 WSW LAKE MANAWA [41.21, -95.89], 3.1 NE CARTER LAKE [41.33, -95.83], 1.8 ESE GRABLE [41.46, -95.89]

 08/01/10 00:00 CST
 1K
 Flood (due to Heavy Rain)

 08/17/10 00:00 CST
 0
 Source: Official NWS Observations

Lowland flooding from heavy rain over much of eastern Nebraska and western lowa during most of June carried over through much of July into August along the Missouri River in the Omaha area. The high waters occasionally flooded Wilson Island Park and also crossed a few roads by the river. Rising water also periodically flooded a riverboat casino's parking lot and lower level of the parking garage. Although the river never reached official flood stage in Omaha it periodically rose toward it.

Heavy rain in June and July combined with increased releases from upstream reservoirs caused prolonged flooding along the Missouri River from around Omaha downstream through Rulo. The flooding started in June and continued into August.

(IA-Z079) MILLS, (IA-Z080) MONTGOMERY, (IA-Z090) FREMONT, (IA-Z091) PAGE

08/02/10 13:00 CST 0 Heat

08/02/10 19:00 CST 0

Temperatures reached the lower to mid 90s during the afternoon and early evening of August 2nd across southwest lowa. When combined with dew point temperatures in the upper 70s to lower 80s, heat index values climbed into the 105 to 115 degree range for several hours.

POTTAWATTAMIE COUNTY --- 0.7 N UNDERWOOD [41.39, -95.68]

08/03/10 20:41 CST 0 Hail (1.75 in)

08/03/10 20:41 CST 0 Source: Law Enforcement

MILLS COUNTY --- 1.3 ESE HASTINGS [41.01, -95.50]

08/03/10 21:44 CST 0 Thunderstorm Wind (EG 52 kt) 08/03/10 21:44 CST 0 Source: Trained Spotter

A spotter estimated a thunderstorm wind gust of 60 mph.

Thunderstorms developed across eastern Nebraska and southwest lowa during the evening of Aug. 3rd north of a weak stationary front. One storm that tracked across the southern part of Omaha and northern Sarpy county dropped very large hailstones, some as large as baseballs. Although the reported hail size in western lowa was smaller, some as large as golf balls fell near Underwood from

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
that storm.				
	HELBY, (IA-Z069) POTTAWATTAMIE, (IA-Z0	079) MILLS, (IA-Z0	80) MONTGOMER	Y, (IA-Z090) FREMONT, (IA-Z091)
PAGE	08/08/10 12:00 CST		0	Excessive Heat
	08/12/10 20:00 CST		0	
(IA-Z043) MONONA				
	08/08/10 13:00 CST		0	Heat
	08/12/10 19:00 CST		0	
lew point temperatures often in tl and sometimes 115 or hotter. The	a large part of the second week of August he 75 to 80 degree range. This created her e highest heat index values during this per where afternoon values often reached 110 [2.13, -96.15]	at index values the	at often reached a d south of Omaha	around 105 to 110 degrees
	08/08/10 19:45 CST		0	Thunderstorm Wind (EG 55 kt)
	08/08/10 19:45 CST		0	Source: Emergency Manager
HARRISON COUNTY 2.1 N RIVE	- · · -			
The coop observed near Little Siou	08/08/10 20:55 CST 08/08/10 20:55 CST x estimated thunderstorm wind gusts of between	ween 60 and 65 m	0 0 ph.	Thunderstorm Wind (EG 56 kt) Source: COOP Observer
Scattered strong to severe thunde August 8th. With temperatures in	08/08/10 20:55 CST x estimated thunderstorm wind gusts of betweenstorms developed on a wind shift bound the 90s and dew point temperatures in theorems to maintain their intensity as they tra	ary over the Nebr e 70s ahead of th	0 ph. raska sandhills du e thunderstorms, t	Source: COOP Observer ring the afternoon of the extremely unstable
Scattered strong to severe thunde August 8th. With temperatures in conditions allowed the thundersto	08/08/10 20:55 CST x estimated thunderstorm wind gusts of between the state of August 8th. EYNOR [41.23, -95.62]	ary over the Nebr e 70s ahead of th	0 ph. aska sandhills du e thunderstorms, t heast Nebraska in	Source: COOP Observer ring the afternoon of the extremely unstable to west central lowa
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Scattered strong to severe thunder August 8th. With temperatures in conditions allowed the thunderstooduring the afternoon and evening POTTAWATTAMIE COUNTY TRICTHUNDERSTORM WIND GUSTS ESTIMATE COUNTY OA	08/08/10 20:55 CST x estimated thunderstorm wind gusts of between the statement of the statement of the statement of August 8th. EYNOR [41.23, -95.62] 08/10/10 22:05 CST 08/10/10 22:05 CST dat 60 mph downed or split several large tree. UKLAND [41.32, -95.40] 08/10/10 22:10 CST	ary over the Nebre 70s ahead of the cked across nort	0 ph. raska sandhills dure thunderstorms, theast Nebraska int 0 0 with causing other to	ring the afternoon of the extremely unstable to west central lowa Thunderstorm Wind (EG 52 kt) Source: Newspaper tree damage. Thunderstorm Wind (EG 52 kt)
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The hail was accompanied by torrential rain and wind gusts of 40 to 45 mph.

An unstable air mass in southwest lowa and a moderately strong low level jet helped thunderstorms develop ahead of a cold front in

08/31/10 17:30 CST

08/31/10 17:30 CST

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Hail (1.00 in)

Source: Law Enforcement

0

0

Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

southwest lowa. The storms produced at least one report of large hail in southwest lowa but also produce very heavy rainfall from near Hamburg east to around Coin where radar estimated that 3 to 4 inches of rain fell across parts of that area.

NEBRASKA, East

CASS COUNTY --- 1.8 NNW PLATTSMOUTH [41.04, -95.91], 3.9 S UNION [40.77, -95.89], 6.3 ESE UNION [40.78, -95.79], 6.7 E MURRAY [40.93, -95.79], 3.7 NE PLATTSMOUTH [41.05, -95.84]

08/01/10 00:00 CST 5K Flood (due to Heavy Rain)

08/18/10 17:30 CST 0 Source: Official NWS Observations

This flooding carried over from June and July when heavy rain over much of eastern Nebraska and western lowa during those months causing a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. Although the river at Plattsmouth dropped below flood stage on July 8th, it remained high all of July climbing back above flood stage in the middle of the month and again several times late in the month into August. In Plattsmouth, the Missouri River crested a little over 33 feet in the late afternoon of June 22nd, flood stage is 26 feet. A July crest of around 29.5 feet was observed on the first with a crest of around 29 feet in August was seen on the 4th. Some roads on the east end of Plattsmouth were closed due to flood waters which also submerged the land around a waste-water treatment plant which prompted sandbagging. A recreation area in the region was also partially submerged in flood waters. Most of the damage and more significant flooding was observed in June and July.

DOUGLAS COUNTY --- 1.1 WNW EAST OMAHA [41.38, -95.97], 2.4 SE ALBRIGHT [41.19, -95.94], 2.9 ESE SOUTH OMAHA [41.22, -95.90], 2.2 E (OMA)EPPLEY FLD OMAH [41.31, -95.86], 1.9 NE EAST OMAHA [41.39, -95.92]

08/01/10 00:00 CST 20K Flood (due to Heavy Rain)

08/17/10 00:00 CST 0 Source: Official NWS Observations

This flooding carried over from June and July after persistent and heavy rains during those months combined with increased releases from Gavin's Point Dam and caused the Missouri River to approach its 29 foot flood stage several times in July and also in early August. The high water flooded some parks in the flood plain including N.P. Dodge park causing its closure. The high water continued into August and eventually prompted the closure of N.P. Dodge Park for the season and causing 20,000 dollars in lost revenue for the city of Omaha.

NEMAHA COUNTY --- 4.3 NW PERU [40.53, -95.78], 1.5 S NEMAHA [40.31, -95.67], 7.8 SE NEMAHA [40.25, -95.56], 11.3 ESE NEMAHA [40.27, -95.47], 5.4 NNE PERU [40.55, -95.69]

08/01/10 00:00 CST 5K Flood (due to Heavy Rain)
08/28/10 12:45 CST 0 Source: Official NWS Observations

Heavy rain over much of eastern Nebraska and western lowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The river near Brownville climbed above flood stage during the afternoon on June 11th and remained above flood stage through July and for most of August. The prolonged flooding was aided by additional rain in July and increased releases from upstream reservoirs. The river at Brownville crested at close to 43 feet during the evening of June 23rd, flood stage is 32 feet. During July the river crested a little under 39 feet for the first several days of the month and in August the crest was a little over 38 feet on the 5th. Besides considerable flooding of lowlands along the river, several roads were flooded including one that lead to the Cooper Nuclear power plant. Recreation areas also sustained flood damage, but most of the damage was done in June and July.

OTOE COUNTY --- 6.8 NNW NEBRASKA CITY ARPT [40.77, -95.90], 1.7 NNW NEBRASKA CITY ARPT [40.69, -95.88], 5.9 ESE PAUL [40.53, -95.78], 6.2 ESE NEBRASKA CITY [40.61, -95.74], 6.1 N NEBRASKA CITY ARPT [40.76, -95.86]

08/01/10 00:00 CST 5K Flood (due to Heavy Rain)

08/18/10 17:30 CST 0 Source: Official NWS Observations

Heavy rain over much of eastern Nebraska and western lowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The river near Nebraska City climbed above flood stage early in the afternoon on June 11th and remained above flood stage for most of July into August. The flooding was aided by additional rains in July and increased releases from upstream reservoirs. The river at Nebraska City crested around or a little over 25 feet during the afternoon of June 16th and June 21st and started July out a little under 22 feet. The crest during August was almost 21.5 feet on the 5th. Flood stage is 18 feet. Industrial roads near the river were flooded along with some cabins, boat ramps and recreation areas, with most of the flooding damage observed in June and early July.

RICHARDSON COUNTY --- 2.9 N BARADA [40.26, -95.58], 3.9 S RULO [39.99, -95.43], 8.5 ESE RULO [40.01, -95.28], 6.3 NE BARADA [40.28, -95.49]

08/01/10 00:00 CST 5K Flood (due to Heavy Rain)

08/21/10 02:00 CST 0 Source: Official NWS Observations

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Location Date/Time Deaths & Property & Event Type and Details
Injuries Crop Dmg

Heavy rain over much of eastern Nebraska and western lowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The river at Rulo reached a record crest of around 26.6 feet during the evening of 6/24, flood stage is 17 feet. The river remained above flood stage through July and into August, with the high water aided by additional rains and increased releases from upstream reservoirs. A July crest of just under 23 feet late on the 5th was observed and an August crest of a little under 21 feet was measured on the 6th. Highway 159 near Rulo was closed for a time in June and July and substantial flooding of lowlands along the river occurred including cabins and recreation areas. At least 20 homes along the river were evacuated in June when flooding forced 30 to 40 people to find other shelter. Most of the damage and

SARPY COUNTY --- 1.6 NNW AVERY [41.19, -95.94], 1.8 E AVERY [41.17, -95.90], 1.3 SW ST COLUMBANS [41.07, -95.90], 2.4 SSE ST COLUMBANS [41.05, -95.86], 2.3 E BELLEVUE [41.12, -95.86], 5.0 NE BELLEVUE [41.17, -95.83], 3.5 ENE AVERY [41.19, -95.87]

.0 NE BELLEVUE [41.17, -95.83], 3.5 ENE AVERY [41.19, -95.87] 08/01/10 00:00 CST 5K

08/17/10 00:00 CST 0 Source: Official NWS Observations

Flood (due to Heavy Rain)

This flooding carried over from June and July when heavy rain over much of eastern Nebraska and western lowa during those months causing a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. Although the river at Plattsmouth dropped below flood stage on July 8th, it remained high all of July climbing back above flood stage in the middle of the month and again several times late in the month into August. Parks and a few roads were closed in Sarpy county along the Missouri River due to flood waters. In Plattsmouth, just south of Sarpy county, the Missouri River crested a little over 33 feet in the late afternoon of June 22nd, flood stage is 26 feet. A July crest of around 29.5 feet was observed on the first with a crest of around 29 feet in August was seen on the 4th.

Heavy rain in June caused the Missouri River to flood from around Omaha downstream through Rulo. Additional heavy rains in July and increased releases from upstream reservoirs caused either high water or flooding to persist into August.

PLATTE COUNTY --- 4.6 SE (OLU)COLUMBUS ARPT [41.40, -97.27]

08/01/10 23:20 CST 0 Thunderstorm Wind (EG 50 kt) 08/01/10 23:20 CST 0 Source: Emergency Manager

Thunderstorm wind gusts estimated at close to 60 mph blew the roof off of a farm outbuilding and a trailer house and also broke the window of a home . The time was estimated by radar.

DOUGLAS COUNTY --- 2.3 N BOYS TOWN [41.30, -96.13]

evacuations occurred in June and July

08/02/10 02:15 CST 70K Lightning

08/02/10 02:15 CST 0 Source: Newspaper

A lightning strike caused a house fire in northwest Omaha.

Scattered thunderstorms developed over northeast Nebraska during the late evening/early morning hours of August 1st and 2nd. The storms formed on the nose of a low level jet. An isolated storm east of Columbus produced wind damage, but the storms mainly dropped heavy rain with some locations around the Norfolk area receiving over 3 inches of rain.

(NE-Z067) CASS, (NE-Z068) OTOE, (NE-Z088) JEFFERSON, (NE-Z089) GAGE, (NE-Z090) JOHNSON, (NE-Z091) NEMAHA, (NE-Z092) PAWNEE, (NE-Z093) RICHARDSON

08/02/10 13:00 CST 0 Heat

08/02/10 19:00 CST

Temperatures reached the 90s to around 100 degrees during the afternoon and early evening of August 2nd across southeast Nebraska. When combined with dew point temperatures in the upper 70s to lower 80s, heat index values climbed into the 105 to 115 degree range for several hours and in the southeast Corner of Nebraska they even briefly touch 120 degrees.

DOUGLAS COUNTY --- 0.5 W ELKHORN [41.28, -96.24], 1.3 SE ALBRIGHT [41.20, -95.96]

08/03/10 20:54 CST 0 Hail (3.00 in)

08/03/10 21:30 CST 0 Source: NWS Employee

Hail up to 3 inches in diameter fell across sections of Omaha. Hail up to 1.5 inches in diameter was first observed in the Elkhorn area with 2.75 to 3 inch hail reported from 1010pm CDT through 1027pm near 114th and Center, 84th and F, 60th and L, and 72nd and Harrison Streets. The last report of large hail was in the Downtown area around 1030pm when quarter-size hail fell. The larger hailstones appeared to fall from the west central to southern parts of town, with nickel-size hail reported near 156th and Blondo Streets one of the larger hail reported north of Dodge Street. The hail damage was not widespread but one large insurance company stated that calls reporting damage from 43 homes and 63 autos came in by the next day. However, what damage did occur was significant and in some cases whole windshields were busted out along with large dents and significant siding damage to a few homes.

SARPY COUNTY --- 1.1 NNE PAPILLION [41.18, -96.04], 0.9 SE AVERY [41.16, -95.92]

08/03/10 21:23 CST 0 Hail (3.00 in)

08/03/10 21:40 CST 0 Source: Trained Spotter

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Location	Date/Time	Deaths &	Property &	Event Type and Details
		Injuries	Cron Dma	

Hail up to 3 inches in diameter fell from the La Vista area southeast through Bellevue, especially the north part of that town. The larger hail in Sarpy county was reported in the La Vista area, with 2.5 inch hail reported in Papillion near 72nd and Giles and 1 to 1.5 inch hail reported in Bellevue. The hail caused scattered vehicle damage.

SALINE COUNTY 0.5 W WILBER [40.48, -	96.96]			
	08/03/10 22:03 CST	0	Hail (1.25 in)	
	08/03/10 22:03 CST	0	Source: Emergency Manager	
Hail up to half dollar-size fell in the Wilber are	ea causing minor damage to several vehic	les and a few roofs.		
GAGE COUNTY 2.2 ESE CLATONIA [40.4	6, -96.79]			
GAGE COUNTY 2.2 ESE CLATONIA [40.4	6, -96.79] 08/03/10 22:25 CST	0	Hail (1.00 in)	
GAGE COUNTY 2.2 ESE CLATONIA [40.4	· •	0	Hail (1.00 in) Source: Emergency Manager	
GAGE COUNTY 2.2 ESE CLATONIA [40.4	08/03/10 22:25 CST 08/03/10 22:25 CST		,	
	08/03/10 22:25 CST 08/03/10 22:25 CST		,	

Thunderstorm wind gusts estimated at close to 60 mph downed or split a few 12 to 14 inch diameter tree limbs along with other smaller branches. Time was estimated based on radar.

Thunderstorms developed across eastern Nebraska and southwest lowa during the evening north of a weak stationary front. One storm that tracked across the southern part of Omaha and northern Sarpy county dropped very large hailstones, some as large as baseballs.



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Location Date/Time Deaths & Property & **Event Type and Details** Injuries Crop Dma Picture of hail in west central Omaha ranging up to 3 inches in diameter. (NE-Z011) KNOX, (NE-Z012) CEDAR, (NE-Z015) THURSTON, (NE-Z016) ANTELOPE, (NE-Z017) PIERCE, (NE-Z018) WAYNE, (NE-Z030) BOONE, (NE-Z031) MADISON, (NE-Z032) STANTON, (NE-Z033) CUMING, (NE-Z034) BURT, (NE-Z042) PLATTE, (NE-Z043) COLFAX, (NE-Z044) DODGE, (NE-Z050) BUTLER, (NE-Z088) JEFFERSON, (NE-Z089) GAGE 08/08/10 12:00 CST 0 Heat 08/12/10 19:00 CST 0 (NE-Z045) WASHINGTON, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY, (NE-Z065) SEWARD, (NE-Z066) LANCASTER, (NE-Z067) CASS, (NE-Z068) OTOE, (NE-Z078) SALINE, (NE-Z090) JOHNSON, (NE-Z091) NEMAHA, (NE-Z092) PAWNEE, (NE-Z093) RICHARDSON 08/08/10 12:00 CST 08/12/10 19:00 CST 0 A ridge of high pressure aloft over the plains allowed a prolonged period of hot and very humid conditions to persist across eastern Nebraska and southwest lowa for a large part of the second week of August. Daytime highs over much of the area reached the 90s with dew point temperatures often in the 75 to 80 degree range. This created heat index values that often reached around 105 to 110 degrees and sometimes 115 or hotter. The highest heat index values during this period were near and south of Omaha toward Falls City and then into extreme southwest lowa where afternoon values often reached 110 or higher during this stretch. Several episodes of thunderstorm activity brought temporary relief to some areas during this stretch, mainly to northeast Nebraska. KNOX COUNTY --- 16.0 W VERDIGRE [42.60, -98.34], VERDIGRE [42.60, -98.03] 08/08/10 15:20 CST 0 Thunderstorm Wind (EG 55 kt) 08/08/10 15:30 CST 0 Source: Public Thunderstorm winds estimated at over 60 mph caused tree and other damage from around 16 miles west of Verdigre into Verdigre. Sixteen KV transmission lines/poles were downed 16 miles west of Verdigre causing loss of power in several surrounding towns for around 3 hours, with trees or large tree limbs downed from that location into Verdigre. CEDAR COUNTY --- 3.1 NNE ATEN [42.84, -97.44] 08/08/10 16:15 CST 0 Thunderstorm Wind (EG 60 kt) 08/08/10 16:15 CST 0 Source: Emergency Manager Thunderstorm wind gusts estimated at around 70 mph downed numerous trees and broke large limbs in the Nebraska Tailwaters campground just southeast of Gavins Point Dam. KNOX COUNTY --- 1.7 NW BLOOMFIELD MUNI ARPT [42.60, -97.69] 0 Thunderstorm Wind (EG 52 kt) 08/08/10 16:41 CST 0 08/08/10 16:41 CST Source: Public The public estimated thunderstorm winds reached 60 mph which occurred with very heavy rain and near zero visibility. PIERCE COUNTY --- 1.2 SW OSMOND [42.36, -97.60] 08/08/10 17:01 CST 0 Thunderstorm Wind (EG 52 kt) 08/08/10 17:01 CST 0 Source: Law Enforcement Local law enforcement estimated thunderstorm wind gusts around 60 mph. PIERCE COUNTY --- 9.7 SSW FOSTER [42.15, -97.74] 08/08/10 17:30 CST 0 Thunderstorm Wind (EG 52 kt) 08/08/10 17:30 CST Source: Public 0 The public estimated a thunderstorm wind gust of around 60 mph. BOONE COUNTY --- 0.9 NE PETERSBURG [41.86, -98.07] 08/08/10 18:35 CST 0 Hail (1.25 in) 08/08/10 18:35 CST 0 Source: Trained Spotter MADISON COUNTY --- 6.7 NNW NEWMAN GROVE [41.84, -97.83] 08/08/10 18:57 CST 0 Hail (1.75 in) 08/08/10 18:57 CST 0 Source: Law Enforcement

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A few hail stones reached golf ball-size.				
THURSTON COUNTY 0.5 W WALTHILL [42.1	-			Thursdoods are Mind (FO CO Id)
	08/08/10 19:20 CST		0	Thunderstorm Wind (EG 60 kt)
	08/08/10 19:20 CST		0	Source: Law Enforcement
Thunderstorm winds estimated at close to 70 m causing substantial damage.	ph downed numerous trees wh	ich downed power	lines in the Walthi	ll area . At least one tree fell on a car
MADISON COUNTY 1.5 NNW MADISON [41.	- ·			U # (4.00 ·)
	08/08/10 19:35 CST		0	Hail (1.00 in)
	08/08/10 19:35 CST		0	Source: Public
MADISON COUNTY 0.9 NE MADISON [41.84	4, -97.46]			
	08/08/10 19:38 CST		0	Hail (0.88 in)
	08/08/10 19:38 CST		0	Source: Law Enforcement
CLIMING COLINTY OF NEWESTRY 144 94	96 741			
CUMING COUNTY 0.9 NE WEST PT [41.84, -	-96.71] 08/08/10 20:24 CST		0	Thunderstorm Wind (EG 56 kt)
	08/08/10 20:24 CST		0	Source: Broadcast Media
Thunderstorm wind gusts estimated at over 60 r	mph knocked power lines down	causing loss of no	ower to parts of tow	vn.
	, , , , , , , , , , , , , , , , , , ,			
BURT COUNTY 0.7 S TEKAMAH ARPT [41.7	- · · ·			Thunderstorm Wind (MO 50 Lt)
	08/08/10 20:56 CST		0	Thunderstorm Wind (MG 52 kt) Source: ASOS
The Asos at Tekamah measured a thunderstorm Scattered strong to severe thunderstorms dev August 8th. With temperatures in the 90s and	veloped on a wind shift bound	=		ring the afternoon of
	n wind gust of 60 mph. veloped on a wind shift bound I dew point temperatures in th ntain their intensity as they tra	e 70s ahead of the	raska sandhills du e thunderstorms, 1	ring the afternoon of the extremely unstable
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Deaths &

Property &

Event Type and Details

Date/Time

Location

Spotter estimated thunderstorm wind gusts reached 60 mph. INCASTER COUNTY 1.1 E ROCA [40.65, -96.63] 08/10/10 20:10 CST 0 Th 08/10/10 20:10 CST 0 Sc apublic estimated thunderstorm wind gusts were around 60 mph. INSS COUNTY 0.7 S CEDAR CREEK [41.02, -96.10] 08/10/10 21:00 CST 0 Sc 08/10/10 21:14 CST 08/10/10 21:19 CST 0 Sc 08/10/10 21:19 CST 0 Sc 08/10/10 21:20 CST 0 Th 08/10/10 21:20 CST 0 Sc 08/10/10 21:25 CST 0 Th 08/10/10 21	
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08/10/10 20:10 CST 0 St 08/10/10 21:00 CST 0 Th 08/10/10 21:00 CST 0 St 08/10/10 21:14 CST 0 St 08/10/10 21:14 CST 0 St 08/10/10 21:19 CST 0 St 08/10/10 21:19 CST 0 St 08/10/10 21:20 CST 0 St 08/10/10 21:25 CST 0 St 08/10/	
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ASS COUNTY 1.6 E CULLOM [41.05, -96.02] 08/10/10 21:14 CST 08/10/10 21:19 CST 0 Sc the hail lasted for 5 minutes and was accompanied by winds of around 40 mph. ASS COUNTY PLATTSMOUTH [41.02, -95.90] 08/10/10 21:20 CST 0 Th 08/10/10 21:20 CST 0 Sc understorm wind gusts estimated at 55 to 60 mph downed a 4 inch in diameter tree limb. ARPY COUNTY 0.7 NNW AVERY [41.18, -95.94], 0.7 S (OFF)OFFUTT AFB [41.11, -95.92] 08/10/10 21:25 CST 0 Th 08/10/10 21:25 CST 0 Sc the Automated weather sensor at Offutt AFB measured at thunderstorm wind gust of 74 mph. The winds downed numeror at Offut of the waster of the same	ource: Trained Spotter
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18/10/10 21:19 CST 0 Screen hail lasted for 5 minutes and was accompanied by winds of around 40 mph. 18SS COUNTY PLATTSMOUTH [41.02, -95.90] 18/10/10 21:20 CST 0 The 18/10/10 21:20 CST 0 Screen wind gusts estimated at 55 to 60 mph downed a 4 inch in diameter tree limb. 18RPY COUNTY 0.7 NNW AVERY [41.18, -95.94], 0.7 S (OFF)OFFUTT AFB [41.11, -95.92] 18/10/10 21:25 CST 0 The 18/10/10 21:25 CST 0 Screen wind gust of 74 mph. The winds downed numeror are colder Towne area especially hard hit where at least 4 streets were blocked and several power poles were broken along time damage to homes and vehicles also occurred in this area. Around 1,700 people lost power for a while. 18 small cluster of thunderstorms developed during the early evening of August 10 southwest of Beatrice on a weak bearily proved to be a wind shift. Temperatures and dew point temperatures were in the lower to mid 90s and mid 70 th sides of the boundary providing extremely unstable conditions. One of the thunderstorms periodically produce it pulsed between severe and non-severe from southeast Nebraska into southwest lowa. 18 TELOPE COUNTY 0.5 W CLEARWATER [42.17, -98.19] 18 08/16/10 14:19 CST 0 The 18 CST 0 Screen will be conditions. 18 08/16/10 14:19 CST 0 Screen will be conditions.	
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08/10/10 21:20 CST 0 The 08/10/10 21:25 CST The 20/10/10 21:25 CST The 20	
understorm wind gusts estimated at 55 to 60 mph downed a 4 inch in diameter tree limb. IMPY COUNTY 0.7 NNW AVERY [41.18, -95.94], 0.7 S (OFF)OFFUTT AFB [41.11, -95.92] 08/10/10 21:25 CST 0 Th 08/10/10 21:25 CST 0 Sc ie Automated weather sensor at Offutt AFB measured a thunderstorm wind gust of 74 mph. The winds downed numeror ie Olde Towne area especially hard hit where at least 4 streets were blocked and several power poles were broken along some damage to homes and vehicles also occurred in this area. Around 1,700 people lost power for a while. small cluster of thunderstorms developed during the early evening of August 10 southwest of Beatrice on a weak is simily proved to be a wind shift. Temperatures and dew point temperatures were in the lower to mid 90s and mid 70. th sides of the boundary providing extremely unstable conditions. One of the thunderstorms periodically produce it pulsed between severe and non-severe from southeast Nebraska into southwest lowa. ITELOPE COUNTY 0.5 W CLEARWATER [42.17, -98.19] 08/16/10 14:19 CST 0 Th 08/16/10 14:19 CST 0 Sc spotter estimated thunderstorm winds of around 60 mph downed some small tree limbs.	
understorm wind gusts estimated at 55 to 60 mph downed a 4 inch in diameter tree limb. ARPY COUNTY 0.7 NNW AVERY [41.18, -95.94], 0.7 S (OFF)OFFUTT AFB [41.11, -95.92] 08/10/10 21:25 CST 0 Tr 08/10/10 21:32 CST 0 Sc e Automated weather sensor at Offutt AFB measured a thunderstorm wind gust of 74 mph. The winds downed numero are colder to come area especially hard hit where at least 4 streets were blocked and several power poles were broken along ome damage to homes and vehicles also occurred in this area. Around 1,700 people lost power for a while. Small cluster of thunderstorms developed during the early evening of August 10 southwest of Beatrice on a weak bearily proved to be a wind shift. Temperatures and dew point temperatures were in the lower to mid 90s and mid 70 th sides of the boundary providing extremely unstable conditions. One of the thunderstorms periodically produce it pulsed between severe and non-severe from southeast Nebraska into southwest lowa. ITELOPE COUNTY 0.5 W CLEARWATER [42.17, -98.19] 08/16/10 14:19 CST 0 Th 08/16/10 14:19 CST 0 Sc spotter estimated thunderstorm winds of around 60 mph downed some small tree limbs.	hunderstorm Wind (EG 50 kt)
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08/10/10 21:25 CST 0 The 08/10/10 21:25 CST 0 The Automated weather sensor at Offutt AFB measured a thunderstorm wind gust of 74 mph. The winds downed numeror of colde Towne area especially hard hit where at least 4 streets were blocked and several power poles were broken along the damage to homes and vehicles also occurred in this area. Around 1,700 people lost power for a while. Small cluster of thunderstorms developed during the early evening of August 10 southwest of Beatrice on a weak bearily proved to be a wind shift. Temperatures and dew point temperatures were in the lower to mid 90s and mid 70 the sides of the boundary providing extremely unstable conditions. One of the thunderstorms periodically produce it pulsed between severe and non-severe from southeast Nebraska into southwest lowa. WIELOPE COUNTY 0.5 W CLEARWATER [42.17, -98.19] 08/16/10 14:19 CST 0 The 08/16/10 14:19 CST 0 Scorpotter estimated thunderstorm winds of around 60 mph downed some small tree limbs.	
08/10/10 21:32 CST 0 Some Automated weather sensor at Offutt AFB measured a thunderstorm wind gust of 74 mph. The winds downed numero are Olde Towne area especially hard hit where at least 4 streets were blocked and several power poles were broken along ome damage to homes and vehicles also occurred in this area. Around 1,700 people lost power for a while. Small cluster of thunderstorms developed during the early evening of August 10 southwest of Beatrice on a weak beainly proved to be a wind shift. Temperatures and dew point temperatures were in the lower to mid 90s and mid 70 of the sides of the boundary providing extremely unstable conditions. One of the thunderstorms periodically produce it pulsed between severe and non-severe from southeast Nebraska into southwest lowa. ITELOPE COUNTY 0.5 W CLEARWATER [42.17, -98.19] 08/16/10 14:19 CST 0 The O8/16/10 14:19 CST 0 Scotter estimated thunderstorm winds of around 60 mph downed some small tree limbs.	
the Automated weather sensor at Offutt AFB measured a thunderstorm wind gust of 74 mph. The winds downed numero is olde Towne area especially hard hit where at least 4 streets were blocked and several power poles were broken along ome damage to homes and vehicles also occurred in this area. Around 1,700 people lost power for a while. Small cluster of thunderstorms developed during the early evening of August 10 southwest of Beatrice on a weak beainly proved to be a wind shift. Temperatures and dew point temperatures were in the lower to mid 90s and mid 70 of the sides of the boundary providing extremely unstable conditions. One of the thunderstorms periodically produce it pulsed between severe and non-severe from southeast Nebraska into southwest lowa. ITELOPE COUNTY 0.5 W CLEARWATER [42.17, -98.19] 08/16/10 14:19 CST 0 The 08/16/10 14:19 CST 0 Southwest Indian Service Ser	hunderstorm Wind (MG 64 kt)
e Olde Towne area especially hard hit where at least 4 streets were blocked and several power poles were broken along ome damage to homes and vehicles also occurred in this area. Around 1,700 people lost power for a while. small cluster of thunderstorms developed during the early evening of August 10 southwest of Beatrice on a weak beainly proved to be a wind shift. Temperatures and dew point temperatures were in the lower to mid 90s and mid 70s this sides of the boundary providing extremely unstable conditions. One of the thunderstorms periodically produce it pulsed between severe and non-severe from southeast Nebraska into southwest lowa. ITELOPE COUNTY 0.5 W CLEARWATER [42.17, -98.19] 08/16/10 14:19 CST 0 The 08/16/10 14:19 CST 0 Southwest lowa.	ource: AWOS
NTELOPE COUNTY 0.5 W CLEARWATER [42.17, -98.19] 08/16/10 14:19 CST 0 Th 08/16/10 14:19 CST 0 So spotter estimated thunderstorm winds of around 60 mph downed some small tree limbs.	g with downed power lines. boundary that Os respectively on
08/16/10 14:19 CST 0 Th 08/16/10 14:19 CST 0 Sc spotter estimated thunderstorm winds of around 60 mph downed some small tree limbs.	
08/16/10 14:19 CST 0 So spotter estimated thunderstorm winds of around 60 mph downed some small tree limbs. ITELOPE COUNTY NELIGH [42.13, -98.03]	hundaretarm Wind (EC 52 kt)
spotter estimated thunderstorm winds of around 60 mph downed some small tree limbs. ITELOPE COUNTY NELIGH [42.13, -98.03]	hunderstorm Wind (EG 52 kt) ource: Trained Spotter
	ourse. Trained operer
	hunderstorm Wind (MG 65 kt)
08/16/10 14:30 CST 0 Sc	ource: Storm Chaser
storm chaser measured a thunderstorm wind gust of 75 mph on home weather equipment. The winds downed several 4 town.	4 to 6 inch in diameter tree limbs

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16. One of the thunderstorms gained strength and turned severe producing damaging winds as it tracked southeast across the Neligh

area. The storm then weakened as it encountered slightly more stable air.

KNOX COUNTY --- 0.9 SE VERDEL [42.81, -98.19]

A spotter estimated thunderstorm winds guste ANTELOPE COUNTY 0.7 N BRUNSWICK A trained spotter estimated thunderstorm wind Thunderstorms developed in central Nebras moved across northeast Nebraska during the GAGE COUNTY BARNESTON [40.05, -96.6]	42.34, -97.97] 08/30/10 18:20 CST 08/30/10 18:20 CST gusts reach around 65 mph in the same of a slow moving colder evening hours and produced	he area.	0	Thunderstorm Wind (EG 60 kt) Source: Trained Spotter the area. Thunderstorm Wind (EG 56 kt) Source: Trained Spotter
ANTELOPE COUNTY 0.7 N BRUNSWICK A trained spotter estimated thunderstorm wind Thunderstorms developed in central Nebras moved across northeast Nebraska during th GAGE COUNTY BARNESTON [40.05, -96.6]	d to nearly 70 mph. The strong version of th	he area.	e tree branches in 0 0	the area. Thunderstorm Wind (EG 56 kt)
ANTELOPE COUNTY 0.7 N BRUNSWICK A trained spotter estimated thunderstorm wind Thunderstorms developed in central Nebras moved across northeast Nebraska during th GAGE COUNTY BARNESTON [40.05, -96.6]	42.34, -97.97] 08/30/10 18:20 CST 08/30/10 18:20 CST gusts reach around 65 mph in the same of a slow moving colder evening hours and produced	he area.	0	Thunderstorm Wind (EG 56 kt)
A trained spotter estimated thunderstorm wind funderstorms developed in central Nebras moved across northeast Nebraska during the GAGE COUNTY BARNESTON [40.05, -96.6]	08/30/10 18:20 CST 08/30/10 18:20 CST gusts reach around 65 mph in the ka ahead of a slow moving color e evening hours and produced	d front during the	0	· · ·
Thunderstorms developed in central Nebras noved across northeast Nebraska during the GAGE COUNTY BARNESTON [40.05, -96.4	08/30/10 18:20 CST gusts reach around 65 mph in the state of a slow moving color e evening hours and produced	d front during the	0	· · ·
Thunderstorms developed in central Nebras moved across northeast Nebraska during the GAGE COUNTY BARNESTON [40.05, -96.4	gusts reach around 65 mph in the same of a slow moving color e evening hours and produced	d front during the		Source: Trained Spotter
Thunderstorms developed in central Nebras moved across northeast Nebraska during the GAGE COUNTY BARNESTON [40.05, -96.4	ka ahead of a slow moving cold e evening hours and produced	d front during the	afternoon of Augu	
noved across northeast Nebraska during th	e evening hours and produced	=	afternoon of Augu	
	58]		-	
The thunderstorm also produced wind gusts e	00/24/40 46:42 CCT		0	Heil (4 00 in)
The thunderstorm also produced wind gusts e	08/31/10 16:43 CST 08/31/10 16:43 CST		0	Hail (1.00 in)
The thunderstorm also produced wind gusts e	08/31/10 16:43 CS1		0	Source: Fire Department/Rescue
	stimated at 60 mph which downe	ed large tree limbs	in the area.	
GAGE COUNTY 1.1 W BARNESTON [40.0	•			
	08/31/10 16:50 CST		0	Thunderstorm Wind (EG 52 kt)
	08/31/10 16:50 CST		0	Source: Public
Thunderstorm wind gusts estimated at around diameter.	60 mph downed large tree limbs	s in the area. The	winds were accom	panied by hail around an inch in
GAGE COUNTY LIBERTY [40.08, -96.48]	08/31/10 16:55 CST		0	Thunderstorm Wind (EG 55 kt)
	08/31/10 16:55 CST		0	Source: Public
ry radar but it was probably from the same sto	32, -97.35]	ge just to the sout		
	08/31/10 17:10 CST		0	Hail (1.00 in)
	08/31/10 17:10 CST		0	Source: Public
OOUGLAS COUNTY 0.9 NE WATERLOO [41.29, -96.29], 2.0 NE WATERLO 08/31/10 21:00 CST	OO [41.30, -96.27]	0	Hail (1.75 in)
	08/31/10 21:00 CST		0	Source: Fire Department/Rescue
Hail around 1 inch in diameter was reported in		-size reported just		·
DOUGLAS COUNTY 0.9 W VALLEY [41.32				
	08/31/10 21:08 CST		0	Hail (1.50 in)
	08/31/10 21:08 CST		0	Source: Official NWS Observations
Hail up to 1.5 inches in diameter was measure	ed at the NWS office just northwe	est of Valley. The h	ailstones were mo	stly 1/2 inch or smaller.
OOUGLAS COUNTY 0.5 W ELKHORN [41.			0	Heil (4 00 in)
	08/31/10 21:12 CST		0	Hail (1.00 in)
	08/31/10 21:12 CST		0	Source: NWS Employee
Hail around 1 inch in diameter was measured	by an off duty NWS employee in	the Elkhorn area	near 208th and Ma	ple Streets.
	1.38, -96.23]			
DOUGLAS COUNTY 2.7 ENE ELK CITY [4				
OOUGLAS COUNTY 2.7 ENE ELK CITY [4	08/31/10 21:21 CST		0	Hail (1.00 in)
DOUGLAS COUNTY 2.7 ENE ELK CITY [4	08/31/10 21:21 CST 08/31/10 21:21 CST		0 0	Hail (1.00 in) Source: Storm Chaser

An unstable air mass in southeast Nebraska and southwest lowa and a moderately strong low level jet helped thunderstorms develop

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Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

ahead of a cold front in southwest lowa with additional storms developing from northeast Kansas into southeast Nebraska. The storms produced some damaging winds and large hail and also isolated areas of very heavy rainfall. Later that evening a shallow cold front pushed into the region but winds above the front remained from the south or southwest which allowed isolated elevated storms to develop north of the front. One storm that moved just to the west of Omaha produced large hail before weakening.

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